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Abstract

2 A system for coupling ultra-high vacuum components specifically where a component is
3 inserted between two standard thickness flanges. This system will minimize the length that is
4 added onto a vacuum system when a component is added. The invention is a relatively thin
5 flange including two sealing surfaces separated by a thin web. The thin flange of the present
6 invention may be configured to mount a variety of equipment within a vacuum system, and/or
7 provide connection between the interior of the vacuum system and the outside environment, such
8 as electrical connection or fluid connection.

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